

Chickahominy Tribe Multi-Hazard Mitigation Plan Tribal Workshop #2

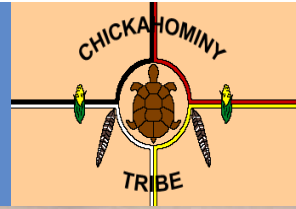


Craig Pereira, CFM
Senior Planner – Horsley Witten Group

Date: October 19, 2021 6:30 PM
Virtual Workshop



A Request of Participants...

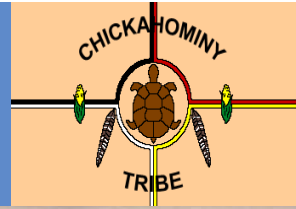


- **In the Chat:**

- Your Full Name
- Your position in the Tribe (e.g., Tribal Council, Citizen, County Resident)

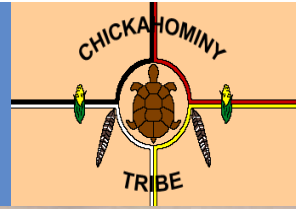


Welcome...



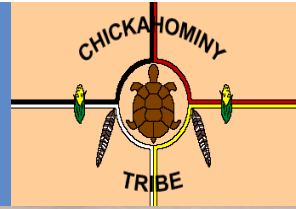
WELCOME!

Chickahominy Tribe Tribal Hazard Mitigation Committee



- Stephen Adkins, Chief
- Wayne Adkins, First Assistant Chief
- Reggie Stewart, Second Assistant Chief
- Rufus Elliott, Housing Program Manager
- Dana Adkins, Tribal Environmental Director
- Lindsey Johnson, Deputy Tribal Administrator, Public Information Officer
- Susann Brown, Childcare and Development Director
- C. Lenora Adkins, CARES Manager, Project Director
- Mia Eubank, Tribal Health Services Liaison

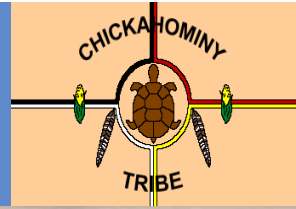
Why Hazard Mitigation Planning?



Disaster Mitigation Act of 2000, Interim Final Rule, 44 CFR Parts 201 and 206 states, “All communities must have an approved Multiple Hazards Mitigation Plan in order to qualify for future federal disaster mitigation grants”.

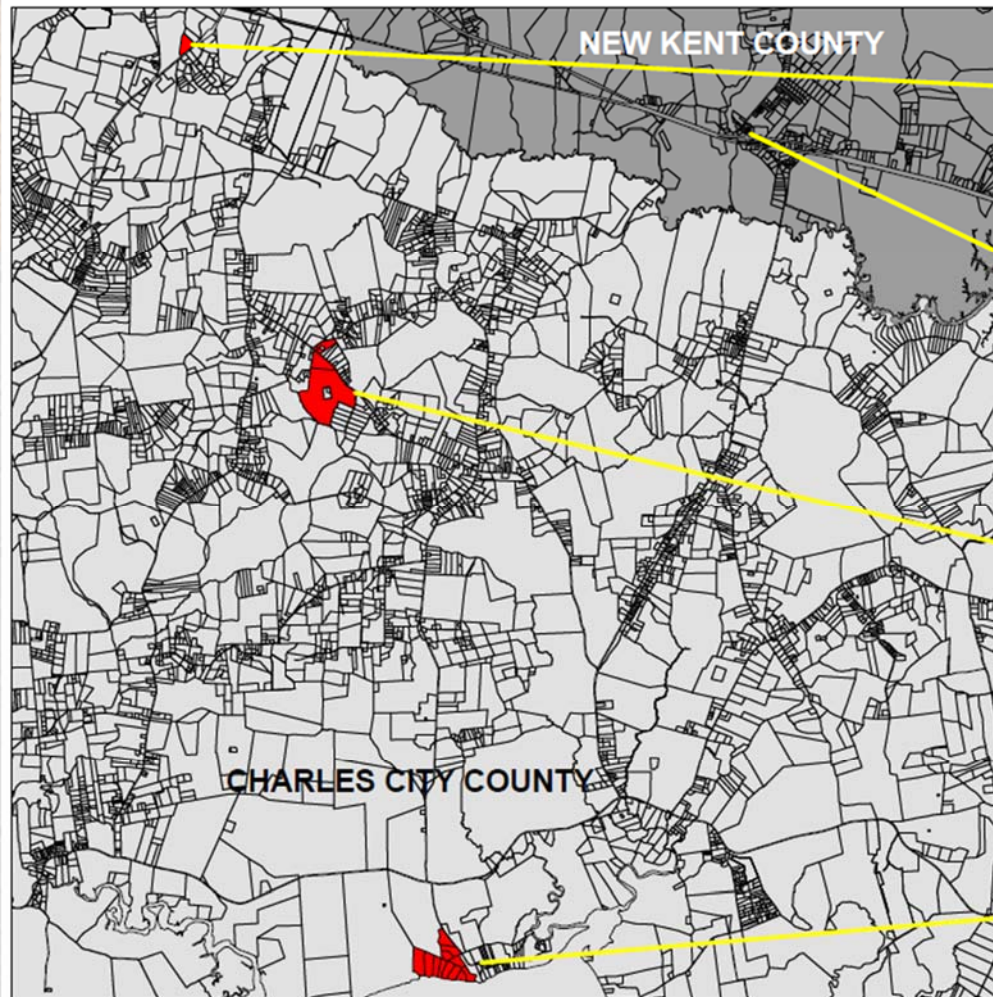
Reduction or elimination of long-term risk to life, property, and the environment.

Mission Statement...



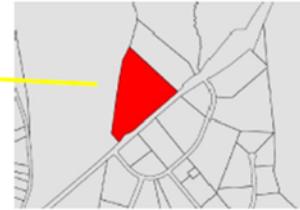
The purpose of the Chickahominy Indian Tribe Multi-Hazard Mitigation Plan is to preserve and enhance the quality of life, property values, and historic/cultural/natural resources and traditions by identifying all potential natural, human-caused and technological hazards impacting Tribal citizens and the community and mitigating their effects to reduce the loss of life, as well as losses of economic, natural, historical, and cultural resources.

Locus Map...

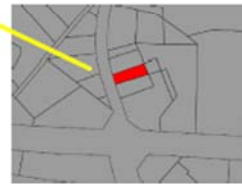


NEW KENT COUNTY

CHARLES CITY COUNTY



2401 Roxbury Road...
Parcel 4-6-2



3521 North Courthouse Road
Tax Map 41A1-2-12E

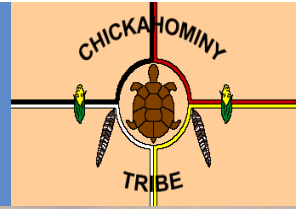


Parcel 14-121...no address
Parcel 14-123...8200 Lott Cary Road
Parcel 15-44...no address
Parcel 14-78...no address



- Parcels:
- 52-3-A1
 - 52-3-A2
 - 52-3-A3
 - 52-3-A4
 - 52-3-B1
 - 52-3-B2
 - 52-3-B3
 - 52-3-B4
 - 52-3-C1
 - 52-3-C2
 - 52-3-C3
 - 52-3-C4

Outreach and Coordination...



Project Webpage

Tribal Interviews

Tribal Hazard Mitigation Committee Meetings

- September 8, 2020
- November 5, 2020
- July 1, 2021
- August 19, 2021

Tribal Workshop #1

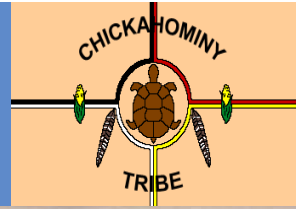
- December 1, 2020

Community Online Survey

- 60 responses

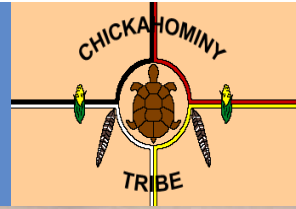


Mitigation Process



- Assess Risks
- Establish Goals
- Identify Projects/Actions
- Update/Maintain Plan

Risks...



Natural Hazard:

Any event or physical condition that has the potential to cause fatalities, injuries, property damage, infrastructure damage, and agricultural loss, damage to the environment, interruption of business, or other types of harm and/or loss.

Human-Caused Hazard:

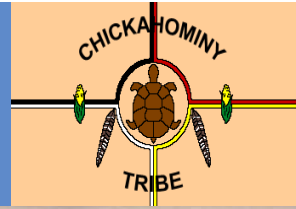
Any event or physical condition from intentional human actions that may cause loss of life or injury, property damage, social and economic disruption or environmental degradation.

Technological Hazard:

Any event or physical condition originating from infrastructure failures that may cause loss of life or injury, property damage, social and economic disruption or environmental degradation.

Assess Risks...

Natural Hazard Profiles



Wind-related hazards

- Hurricane: Significant
- Tornado: Significant
- High Wind: Limited
- Thunderstorm: Moderate

Winter-related hazards

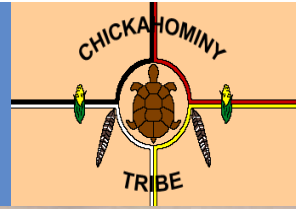
- Winter Weather: Moderate

Flood-related hazards

- Flash Flood: Significant
- Riverine Flood: Moderate
- Inland Flooding: Limited
- Shoreline Erosion: Limited

Assess Risks...

Natural Hazard Profiles



Wildfire/Drought-related hazards

- Drought: Limited
- Extreme Heat: Limited
- Wildfire: Limited

Mass Evacuation-related hazards

- Mass Evacuation: Limited

Geologic-related hazards

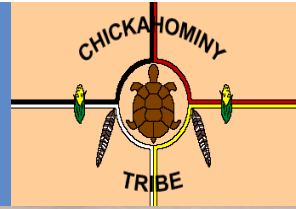
- Earthquake: Limited
- Landslide: Limited
- Karst/Sinkhole: Limited

Communicable-related

- Infectious Disease:
Medium/Low

Assess Risks...

Human-Caused Hazard Profiles



Terrorism (Intentional)

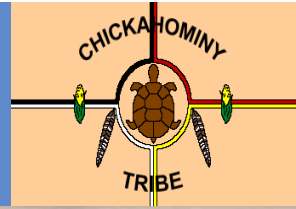
- Biological: Limited
- Hazardous Material Release: Significant
- Cyber: Limited
- WMD/Explosive: Moderate
- Radiological/Nuclear: Moderate
- Civil Disturbance: Limited

Other (Accidental)

- Fire: Moderate
- Mass Casualty Incident: Moderate
- Dam Failure: Limited
- Structure Collapse: Limited
- Special/VIP Events: Limited

Assess Risks...

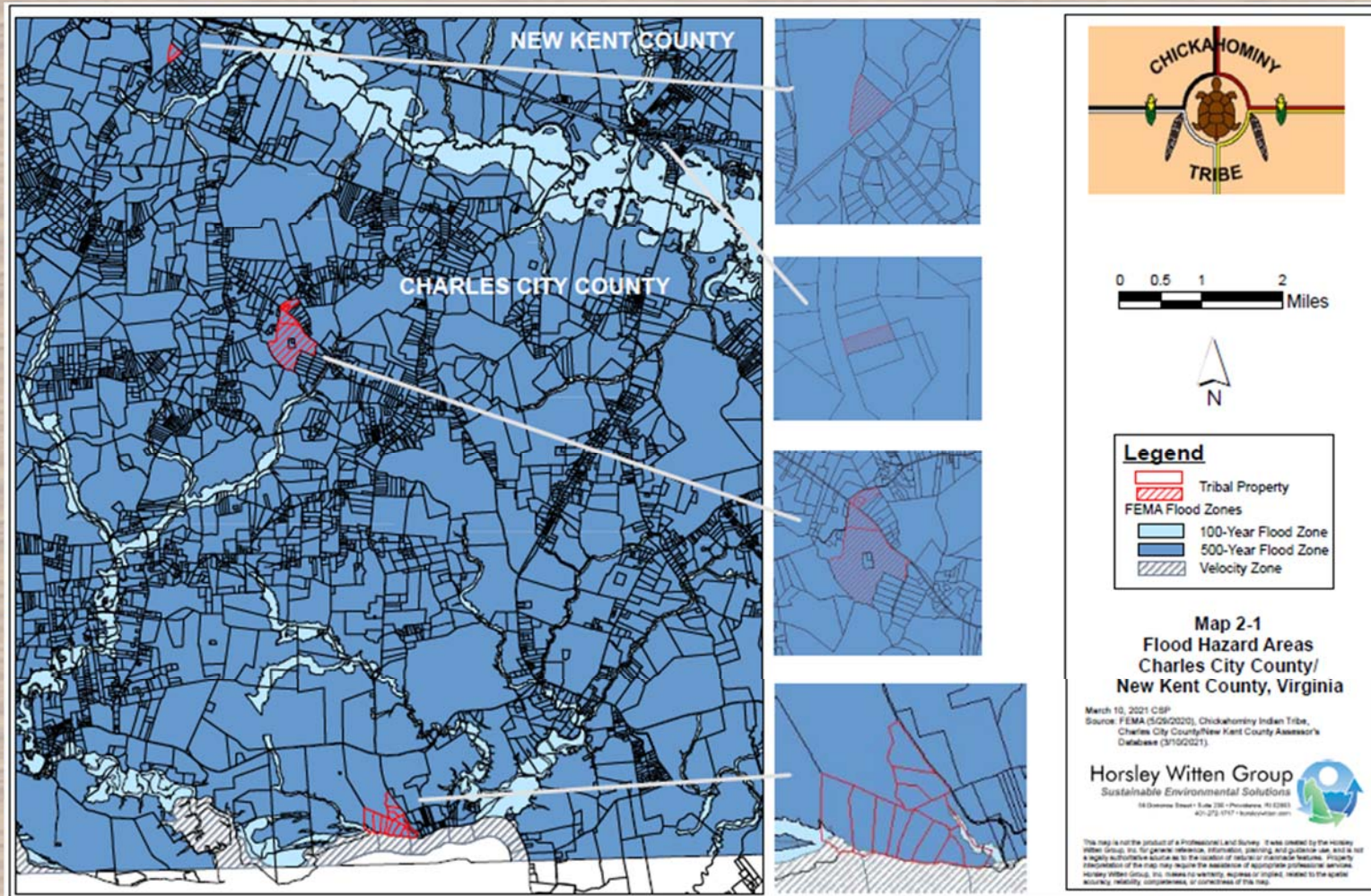
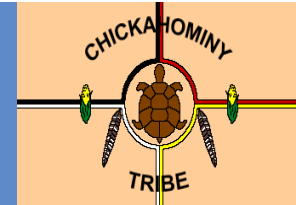
Technological Hazard Profiles



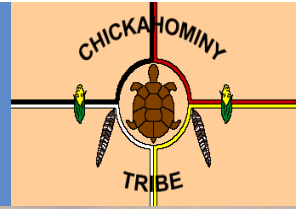
Infrastructure/Utility Failure

- Water Supply Shortage/Contamination: Moderate

Economic Vulnerability Analysis FEMA Flood Zones

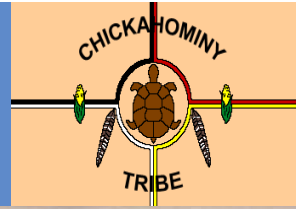


Vulnerabilities...



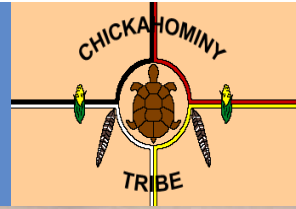
- Social Vulnerability
 - Tribal Community Government Center
 - Cultural Properties
- Non-Tribal Infrastructure/Emergency Lifelines
 - Road Network
 - Electricity
 - Gas/Oil
 - Communications
- Evacuation/Population at Risk
- Environmental Vulnerability
 - Natural Resources/Environmental Facilities

Capability Assessment



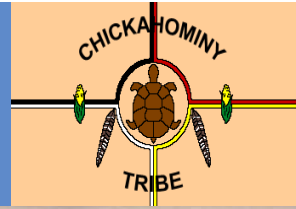
- Planning and Regulatory
- Administrative and Technical
- Financial

Goals...



1. Protect the Tribal health, safety and welfare of Tribal citizens and the community at large living in the service area.
2. Minimize/Reduce property damages to Tribal assets, Tribal citizens' and community members' personal property caused by hazard impacts.
3. Minimize social distress and economic losses/disruption for Tribal citizens and community members at large.
4. Provide an ongoing forum for the education and awareness of natural, human-caused and technological hazard mitigation issues, programs, policies, projects and resources.

Mitigation Strategy...

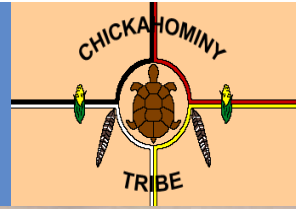


Mitigation actions developed based on review of the Tribe's identified risks and vulnerabilities to natural, human-caused, and technological hazards.

Each action incorporates a brief description of the intended action, who the responsible parties are, a proposed time frame for completion and potential funding sources.

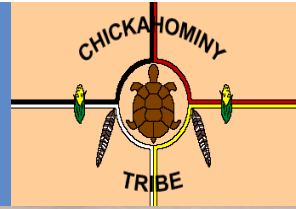
Mitigation Strategy...

Prioritization of Actions (STAPLEE)



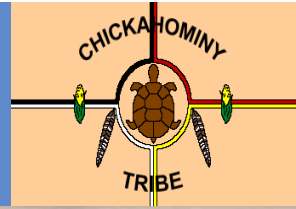
- **Social**...is the action socially acceptable?
- **Technical**...is the action technically feasible and provide appropriate level of protection?
- **Administrative**...does the Tribe have the capability to complete the action?
- **Political**...will the Tribe support or oppose the project?
- **Legal**...does the Tribe have the legal authority to complete the action?
- **Economic**...is the action cost-effective?
- **Environmental**...will the action affect the natural environment?

Mitigation Measures...Categories



- Planning and Prevention
- Property Protection
- Natural Resource Protection
- Structural Projects
- Emergency Services, and
- Public Education and Awareness

Mitigation Actions...



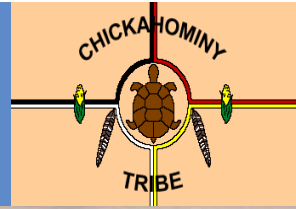
Time Frames

- Short Term: 0 – < 6 months
- Medium Term: > 6 – < 18 months
- Long Term: 18 months – 5 years

Cost Ranges

- Staff Time: Municipal personnel time
- Minimal: < \$5,000
- Moderate: > \$5,000 but < \$25,000
- Significant: > \$25,000

2021 Mitigation Strategy...



TRIBAL EDUCATION AND AWARENESS

Action #1

Distribute Informational Natural Hazards Pamphlet

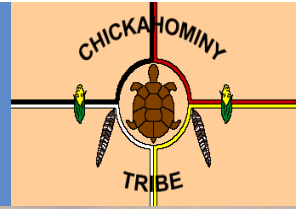
Develop a pamphlet to be distributed to all Tribal citizens that describes the natural hazards that threaten Tribal lands and Tribal citizens living in the service area, as well as steps they can take for each hazard to mitigate damages to their property. Include evacuation routes and shelter locations along with items that can and cannot be taken to the shelters.

Action #2

Expand the capacity of the Tribal website to promote hazard mitigation/disaster awareness/preparedness for Tribal citizens.

Utilize the Tribal website as a means to convey important hazard mitigation awareness and preparedness information regarding Tribal citizens vulnerabilities to natural, human-caused, and technological hazards. This should include evacuation routes, shelter/mass care facility locations, and procedures in the event of a radiological/nuclear incident at the Surry Power Station (Tribal citizens are within the 50-mile Ingestion Exposure Pathway).

2021 Mitigation Strategy...



STRUCTURAL PROJECTS

Action #3

Conduct feasibility study of stormwater drainage solutions around the Tribal properties/assets.

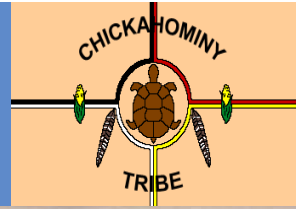
During periods of heavy rain the roadway, in particular around the Tribal Center, floods and becomes impassable due to inadequate drainage capacity.

Action #4

Work with the County/FEMA to encourage the construction/use of safe rooms for Tribal citizens living in the service area.

Hurricanes and tornadoes are profiled as 'significant risks' to Tribal citizens living in the service area.

2021 Mitigation Strategy...



PLANNING AND PREVENTION

Action #5

Develop a Tribal Emergency Operations Plan

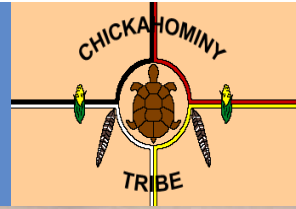
Several hazard-, function-, and Tribal department-specific annexes/SOPs should be developed and incorporated into the EOP.

Action #6

Develop a Tribal Continuity of Operations Plan

Several hazard, function, and Tribal department-specific annexes/SOPs should be developed and incorporated into the COOP.

2021 Mitigation Strategy...



PLANNING AND PREVENTION

Action #7

Work with County, State and Federal agencies to explore/acquire security measures and develop an education/outreach campaign for Tribal assets and Tribal citizens living in the service area on ways to mitigate cyber threats affecting personal, private, and Tribal security and other sensitive data/information.

Action #8

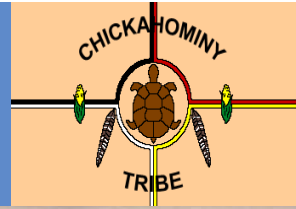
Work with the Chickahominy Health District and Virginia Department of Health to identify safe standards for indoor air quality/particulate matter for Tribal citizens who rely on wood stoves for heat and experience mold growth inside their homes.

Action #9

Develop Geographic Information Systems (GIS) capacity to manage Tribal assets and to better understand/track hazards and vulnerabilities.

Acquire operating systems/software to develop the Tribe's GIS capabilities.

2021 Mitigation Strategy...



EMERGENCY SERVICES

Action #10

Acquire generators for critical Tribal infrastructure facilities.

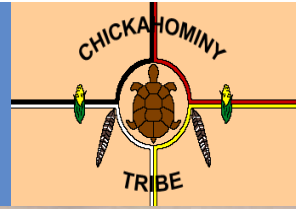
Acquire generators for the Roxbury Road Warehouse, future childcare and administration locations, in addition to mobile generators for the mobile kitchens, showers, and restrooms recently acquired.

Action #11

Strengthen emergency communications capability (internal and external linkages).

Expand the capacity of both internal (within Tribal operations) and external (with the County) communications in the event of an emergency.

2021 Mitigation Strategy...



EMERGENCY SERVICES

Action #12

Develop a comprehensive job description, advertise for, and hire an Emergency Operations Director for the Tribe.

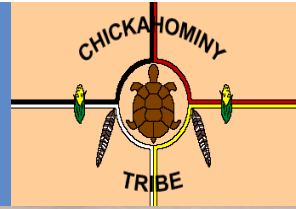
The Emergency Management Director position for the Tribe is currently vacant. As the Tribe continues to develop and expand operations, the need for an Emergency Management Director becomes more critical.

Action #13

Work with the County and State to better understand the various protocols/SOPs should there be a chemical/hazardous spill.

The Tribe's Roxbury Road site and other Tribal assets, as well as Tribal citizens living in the service area are subject to proximity to considerable truck traffic/transport, rail transport and barge/waterways transport that may include chemical/hazardous materials transport.

2021 Mitigation Strategy...



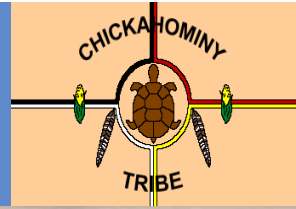
PROPERTY PROTECTION

Action #14

Work with County, State and Federal agencies and NFIP to develop and implement a public outreach program to educate Tribal citizens in A- and V-zones of the requirements to comply with floodplain standards, understand the benefits of flood insurance, and practical ways to protect their properties.

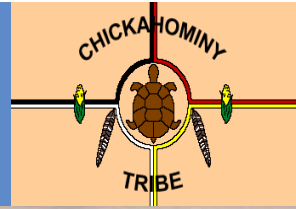
Several Tribal assets and Tribal citizens are located in the A and V special flood hazard areas and subject to periodic inundation.

Project Schedule



Draft Update to FEMA Region 3: by November 1, 2021

Contact Us...



Questions and/or comments about the Chickahominy Tribe Multi-Hazard Tribal Mitigation Plan, please contact:

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Chickahominy Tribe
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nelsonandrewsjr@gmail.com
Phone: (774) 521-4880

Thank You!